

Scientific Name	Common Name	Malay Name	Conservative Status
<b>Famili Turdidae</b> Copsychus saularis Copsychus malabaricus	Magpie Robin White-rumped shama	Murai Kampung Murai Batu	P P
<b>Famili Sylviidae</b> Abroscopus supersilians <i>* Orthotomus sutorius</i> Orthotomus artogularis Gerygone fusca Phylloscopus borealis	Yellow-bellied Warbler <b>Common Tailer bird</b> Dark-necked Tailor Bird Fly Eater Artic Warbler	Cekup Paruh <b>Perenjak Pisang</b> Ciak Kelicap Cekup Perepat Cekup Artik	TP <b>TP</b> TP TP TP
<b>Famili Muscicapidae</b> Rhipidura javanica Hypothymis azurea Terpsiphone paradisii Muscicapa dauurica <i>* Cyornis tickelliae</i> <i>* Ficedula zanthopygia</i>	Pied-fantail Flycatcher Black-napped Monarch Asian Paradise Flycatcher Asian Brown Flycatcher <b>Tickell's Blue Flycatcher</b> <b>Yellow-rumped flycatcher</b>	Sambar Murai Gila Sambar Uban Hitam Sambar Ekor Panjang Sambar Asia <b>Sambar Biru Hutan</b> <b>Sambar Belakang Kuning</b>	TP TP TP TP <b>TP</b> <b>TP</b>
<b>Famili Timaliidae</b> <i>* Trichastoma rostratum</i> Trichastoma Abbotti Pellorneum capistratum	<b>White-chested babbler</b> Abbot's Babbler Black-capped Babbler	<b>Rimba Dada Putih</b> Rimba Riang Rimba Kopiah Hitam	<b>TP</b> TP TP
<b>Famili Motacilidae</b> Motacilla cinerea Dendronanthus indicus Anthus novaseelandiae	Grey Wagtail Forest Wagtail Richard's Pipit	Pipit Batu Pipit Rimba Pipit Padang	TP TP TP
<b>Famili Laniidae</b> Lanius cristatus Lanius tigrinus	Brown Shrike Tiger Shrike	Tirjup Tanah Tirjup Rimau	TP TP
<b>Famili Sturnidae</b> Aplonis panayensis Acridotheres tristis Acridotheres fuscus Acridotheres cristatellus	Phillippine Glossy Starling Common Mynah Buffalo Mynah Crested Mynah	Perling Mata Merah Tiong Gembala Kerbau Tiong Hutan Tiong Cina	NP NP NP TP
<b>Famili Nectariniidae</b> Anthreptes malacensis Anthreptes rhodolaema Arachnothera longirostra Nectarinia jugularis	Brown-throated Sunbird Red-throated Sunbird Little Spiderhunter Olive-backed Sunbird	Kelicap Mayang Kelapa Kelicap Penang Kelicap Jantung Pisang Kelicap Bukit	TP TP TP TP
<b>Famili Dicaeidae</b> Dicaeum cruentatum Dicaeum cruentatum	Scarlet-backed Flowerpecker Orange-bellied Flowerpecker	Sepah Puteri Merah Sepah Puteri Bukit	TP TP
<b>Famili Ploceidae</b> Passer montanus Lonchura leucogastra Lonchura punctulata <i>* Lonchura malacca</i> Lonchura maja <i>* Lonchura striata</i> Ploceus manyar	Eurasian Tree Sparrow White-bellied Munia Scaly-breasted Munia <b>Black-headed Munia</b> White-headed Munia <b>White-rumped Munia</b> <b>Streaked weaver</b>	Ciak Rumah Pipit Padi Pipit Sisik <b>Pipit Rawa</b> Pipit Uban <b>Pipit Tuli</b> Tempua	NP NP NP <b>NP</b> NP <b>NP</b> <b>NP</b>
<b>Famili Cisticolidae</b> <i>* Prinia flaviventris</i>	<b>Yellow-bellied Prinia</b>	<b>Perenjak Kuning</b>	<b>TP</b>
<b>Famili Monarchidae</b> <i>* Terpsiphone paradisii</i>	<b>Asian Paradise Flycatcher</b>	<b>Murai Ekor Gading</b>	<b>TP</b>

TP : Totally Protected Species  
P : Protected Species  
NP : Not Protected Species  
\* : **First time recorded species**

## Acacia mangium (Leguminosae) Akasia daun lebar

Is a flowering tree native to northeastern Queensland in Australia and Papua New Guinea. It grows up to 30m tall, often with a straight trunk.

**usage :** The germinating seeds can be cooked and eaten as a vegetable and often as timber.



Block 86 at a dead-end near the South east Gate



The partially completed Panggung Sasaran in 1972

## PANGGUNG SASARAN

## White-throated kingfisher Halcyon smyrnensis

Bird with brightly-colored, metallic blue and orange colours dominating its plumage and a strong beak for capturing prey.

## Panggung Sasaran

Less than two years after the Minden (military) Barracks was turned into a universiti campus, students majoring and having interest in performing arts were given a building to practise their trade. The site was formerly used by the British army for target practice. It was a lonely and quiet corner fed by a small road leading to a dead-end. A gate called the South-east Gate was occasionally opened to allow trucks to get to Sungai Dua.

In line with the practice of assigning numbers to buildings, this few building covering this former shooting range was given number 86. It remained as "Block Eighty-Six" until one day in 1972.

Photographs and text courtesy of  
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## ANTHROPOCENE; the current period in Earth's history when human activities impact on the Earth's ecosystem at an alarming rate

By **Prof. Mashhor Mansor**  
School of Biological Sciences

In this issue of Eco Bulletin, I am moved to talk about the issues regarding Anthropocene which was highlighted by Professor Hans Guenter Brauch and Professor Ursula Oswald Spring who both delivered engaging talks entitled 'Coping with Global Environment Change in the Anthropocene' and 'Human Security Concepts in Policy and Science' respectively before dropping by our Eco-Hub on 1<sup>st</sup> July 2010.

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The editor reserves the right to select and edit articles for publication based on space availability and topical interests. All articles must carry the sender's full name, address and telephone number. A pseudonym may be included.





Dato<sup>\*</sup> Professor Emeritus Abdul Latif Mohamad visited Eco-Hub on 17th June 2010, stating that it was a good idea for students to continue planting trees in the campus.

On the 12<sup>th</sup> June 2010, about 50 alumni from the earliest batch 1969 visited ECO HUB. Among them were Tan Sri Professor Augustine Ong and Dr.Chong Ngo Long. Professor Ong was once the dean of the School of Chemical Science and Dr. Chong was the first USM student to be a lecturer at the school of Biological Sciences.

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Based on their views, global climate change is mainly due to anthropogenic activity resulting in hydro meteorological hazards such as rises in the earth's temperature and sea level. In case you are wondering what the term "Anthropocene" means, the word was first coined by Nobel Laureate Professor Paul Crutze who argues that the tremendous influence of human activities on mother earth in recent centuries is sufficient to constitute a new geological era. The era probably began at the rise of the agriculture revolution followed by industrial revolution before arriving at our current information technology period. Now, human economic demand has reached a point where the balance of the earth's ecosystem is severely compromised.

The USM community is concerned and aware of this, which is why we have attempted to implement the concept of a university in a garden. We want the campus community to live harmoniously with its natural surroundings. On our part, we aim for Eco-Hub to be the focal point for campus ecological activities. In line with that, I am pleased to report that both Professor Brauch and Professor Spring gave their thumbs up when they were briefed about our efforts here at Eco-Hub. The briefing by Associate Professor Saad Othman was followed by a presentation by Mr. Mohamed Hifni Baharuddin on the importance of bird communities within the plant communities in the Durian Valley. Eco-Hub research officer Mr. Adenan Jaafar also pointed out that the campus community, especially students, was encouraged to plant trees in efforts to add the greenery of the campus grounds.

In short, we at USM Eco-Hub strive to keep abreast with the current developments on the planet. We are aware that this is a crucial period for the earth's history as our economic activities are driving the planet to the brink of being unsustainable for our future generations. As such, our role will be one of constantly spreading awareness and thinking of creative solutions in efforts to revive, restore and replenish our beautiful ecosystem.



Professor Razual Karim, a visiting professor from Bangladesh stated that ECO HUB is a place to learn and comprehend about nature based on easy practical approach.

Scientific Name	Common Name	Malay Name	Conservative Status
<b>Famili Ardeidae</b> <i>Bubulcus ibis</i> <i>* Egretta garzetta</i> <i>Butorides straitus</i> <i>Nycticorax nycticorax</i> <i>* Gorsachius melanolopus</i> <i>Ixobrychus cinnamomeus</i>	Cattle Egret Little Egret Little Green Heron Black -crowned Night Heron Malayan Night Heron Cinnamon Bittern	Bangau Kendi Bangau Kecil Pucong Keladi Pucong Kuak Pucong Harimau Pucong Bendang	TP TP TP TP TP TP
<b>Famili Accipitridae</b> <i>Elanus caeruleus</i> <i>Milvus migrans</i> <i>Haliastur indus</i> <i>Accipiter gularis</i> <i>Pernis ptilorhyncus</i> <i>Haliastur leucogaster</i> <i>Spilornis cheela</i>	Black-shouldered Kite Black Kite Brahminy Kite Japanese Sparrowhawk Crested Honey Buzzard White bellied Sea Eagle Crested Serpent Eagle	Lang Bahu Hitam Lang Hitam Lang Merah Lang Sewah Lang Madu Lang Siput Lang Berjambul	TP TP TP P TP TP TP
<b>Famili Phasianidae</b> <i>Coturnix japonica</i>	Japanese Quail	Puyuh Jepun	NP
<b>Famili Rallidae</b> <i>Amaurornis phoenicurus</i> <i>Rallus striatus</i>	White Breasted Waterhen Slaty-breasted Rail	Ruak-ruak Sintar	P P
<b>Famili Charadriidae</b> <i>Pluvialis squatarola</i>	Grey Plover	Rapang Kelabu	P
<b>Famili Scolopacidae</b> <i>Actitis hypoleucos</i>	Common Sandpiper	Kedidi Pasir	P
<b>Famili Columbidae</b> <i>Treron olax</i> <i>Treron vernans</i> <i>* Treron curvirostra</i> <i>Streptopelia tranquebarica</i> <i>Streptopelia chinensis</i> <i>Streptopelia orientalis</i> <i>Geopelia striata</i> <i>Columba livia</i> <i>Chalcophaps indica</i>	Little Green Pigeon Pink-necked Pigeon Thick-billed Green Pigeon Red-turtle Dove Spotted Dove Oriental Turtle-dove Peaceful Dove Rock Pigeon Emerald Dove	Punai Daun Punai Gading Punai Daun Tekukur Merah Merbuk Balam Tekukur Bara Merbuk Aman Merpati Punai Tanah	P P P TP NP NP NP P P
<b>Famili Psittacidae</b> <i>Psittacula longicauda</i>	Long-tailed Parakeet	Bayan Nuri	P
<b>Famili Cuculidae</b> <i>Eudynamys scolopacea</i> <i>Centropus sinensis</i> <i>Centropus bengalensis</i> <i>* Chrysococcyx xanthorhynchus</i> <i>* Surniculus lugubris</i> <i>* Chrysococcyx minutillus</i> <i>Cacomantis merulinus</i> <i>* Hierococcyx fugax</i> <i>Phaenicophaeus diardi</i> <i>Phaenicophaeus chlorophaeus</i> <i>Phaenicophaeus sumatranus</i> <i>* Phaenicophaeus curvirostris</i>	Common Koel Greater Coucal Lesser Coucal Violet cuckoo Drongo cuckoo Little bronze cuckoo Plaintive Cuckoo Malaysian Hawk Cuckoo Black-bellied Malkoha Raffles' Malkoha Chestnut-bellied Malkoha Chestnut-breasted Malkoha	Sewah Tahu But-but Carik Anak But-but Kecil Sewah Ungu Burung Hamba Kera Sewah Daun Sewah Mati Anak Sewah Malaysia Cenok Perut Hitam Cenok Kerak Cenok Kecil Cenok Birah	TP TP TP TP TP TP TP TP TP TP TP TP
<b>Famili Strigidae</b> <i>Tyto alba</i> <i>Glancidium cuculoidus</i> <i>Ninox scutulata</i>	Barn Owl Asian Barred Owlet Brown Hawk Owl	Jompok Kubur Hantu Asia Hantu Beternak	TP P TP
<b>Famili Caprimulgidae</b> <i>Eurostopodus macrotis</i> <i>Caprimulgus indicus</i> <i>Caprimulgus macrurus</i>	Great-eared Night Jar Grey Night Jar Large-tailed Night Jar	Tukang Telinga Besar Tukang Kelabu Tukang Kubur	TP TP TP

## List of Birds in USM Minden

By Mr. Mohamed Hifni Baharuddin  
School of Biological Sciences



Scientific Name	Common Name	Malay Name	Conservative Status
<b>Famili Apodidae</b> <i>Apus affinis</i> <i>Collocalia esculenta</i> <i>Hemiprocne coronata</i> <i>Hirundapus cochinchinensis</i> <i>Cypsiurus balasienensis</i>	House Swift White-bellied Swiftlet Crested Tree Swift White-vented Needletail Asian Palm Swift	Lelayang Rumah Lelayang Perut Putih Lelayang Berjambul Lelayang Rengkok Putih Lelayang Asia	TP TP TP TP TP
<b>Famili Alcedinidae</b> <i>Alcedo atthis</i> <i>Alcedo meninting</i> <i>Halcyon smyrnensis</i> <i>Halcyon pileata</i> <i>Halcyon capensis</i>	Common Kingfisher Blue Kingfisher White-throated Kingfisher Black-capped Stork-billed Kingfisher	Pekaka Cit-cit Kecil Pekaka Bintik-bintik Pekaka Belukar Pekaka Kepala Hitam Pekaka Paruh Kecil	TP TP TP TP TP
<b>Famili Meropidae</b> <i>Merops leschenaulti</i> <i>Merops philippinus</i> <i>Merops leschenaulti</i>	Chestnut-headed Bee Eater Blue-tailed Bee Eater Blue-throated Bee Eater	Berek-berek Senja Berek-berek Carik Dada Berek-berek Tadah Hujan	TP TP TP
<b>Famili Carociidae</b> <i>Eurystomus orientalis</i>	Dollar Bird	Tiong Batu	TP
<b>Famili Capitonidae</b> <i>Psilopogon pyrolophus</i> <i>Megalaima lineata</i> <i>Megalaima haemacephala</i>	Fire-tufted Barbet Lineated Barbet Coppersmith Barbet	Takor Api Takor Kukup Takor Tembaga	TP TP TP
<b>Famili Picidae</b> <i>Dinopium javanense</i> <i>Dinopium rafflesii</i>	Common Golden Back Olive-backed Woodpecker	Belatok Pinang Muda Belatok Rimba	TP TP
<b>Famili Hirundinidae</b> <i>Hirundo rustica</i> <i>Hirundo tahitica</i>	Barn Swallow Pacific Swallow	Sualo Api Sualo Batu	TP TP
<b>Famili Campephagidae</b> <i>Lalage nigra</i> <i>Tephrodornis pondicerianus</i> <i>* Pericrocotus divaricatus</i>	Pied Triller Common Wood Shrike Ashy minivet	Sewah Kapas Rempah Kayu Burung Matahari Kelabu	TP TP TP
<b>Famili Chloropseidae</b> <i>Aegithina tiphia</i>	Common Iora	Kunyit Kacat	TP
<b>Famili Pycnonotidae</b> <i>Pycnonotus atriceps</i> <i>Pycnonotus goiavier</i> <i>Pycnonotus cyaniventris</i> <i>Pycnonotus jocosus</i> <i>Criniger phaeocephalus</i> <i>* Pycnonotus plumosus</i>	Black-headed Bulbul Yellow-vented Bulbul Grey-bellied Bulbul Red-whiskered Bulbul Yellow-bellied Bulbul Olive-winged bulbul	Merbah Kepala Hitam Merbah Kapur Kuning Merbah Perut Kelabu Merbah Jambul Merah Merbah Perut Kucing Merbah belukar	TP P TP P TP TP
<b>Famili Dicruvidae</b> <i>Dicrurus aeneus</i> <i>Dicrurus remifer</i> <i>Dicrurus paradiseus</i> <i>* Dicrurus annectans</i>	Bronzed Drongo Lesser Racket-tailed Drongo Greater Racket-tailed Drongo Crow-billed drongo	Cecawi Keladi Cecawi Hamba Kera Cecawi Anting-anting Cecawi paruh tebal	TP TP TP TP
<b>Famili Oriolidae</b> <i>Oriolus chinensis</i> <i>Oriolus tenuirostris</i> <i>Irena puebla</i>	Black-napped Oriole Slender-billed Oriole Asian Fairy Bluebird	Dendang Selayang Dendang Perantau Dendang Gajah	TP TP TP
<b>Famili Corvidae</b> <i>Corvus splendens</i> <i>Corvus macrorhynchus</i>	House Crow Large-billed Crow	Gagak Rumah Gagak Rimba	NP NP